

WHAT IS CLAIMED IS:

~~1. Wheat starch obtained from endosperm of a seed of wheat~~
which is modified to lack starch granule protein-1 (SGP-1),
wherein the wheat starch has an apparent amylose content
of about 35% or more.

2. The wheat starch of claim 1, wherein the apparent amylose
content is from about 37% to about 40%.

3. The wheat starch of claim 1, wherein the wheat is a
hexaploid wheat which lacks SGP-A1, SGP-B1 and SGP-D1.

4. The wheat starch of claim 3, wherein the hexaploid wheat
is obtained by crossing a first wheat lacking a first protein
selected from the group consisting of SGP-A1, SGP-B1 and
SGP-D1, with a second wheat lacking a second protein which
differs from the first protein and is selected from the group
consisting of SGP-A1, SGP-B1 and SGP-D1, followed by further
crossing the cross of the first wheat and the second wheat
with a third wheat lacking a third protein which differs
from the first and second proteins and is selected from the
group consisting of SGP-A1, SGP-B1 and SGP-D1.

5. The wheat starch of claim 3, wherein the hexaploid wheat
is obtained by crossing (i) Chousen 30 or Chousen 57, (ii)
~~Turkey 116, and (iii) Kanto 79 in an arbitrary order.~~

6. Wheat flour obtained from endosperm of a seed of wheat
which is modified to lack SGP-1, comprising wheat starch
which has an apparent amylose content of about 35% or more.

7. The wheat flour of claim 6, wherein the apparent amylose

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content is from about 37% to about 40%.

8. The wheat flour of claim 6, wherein the wheat is a hexaploid wheat which lacks SGP-A1, SGP-B1 and SGP-D1.

9. The wheat flour of claim 8, wherein the hexaploid wheat is obtained by crossing a first wheat lacking a first protein selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, with a second wheat lacking a second protein which differs from the first protein and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, followed by further crossing the cross of the first wheat and the second wheat with a third wheat lacking a third protein which differs from the first and second proteins and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1.

~~10. The wheat flour of claim 8, wherein the hexaploid wheat is obtained by crossing (i) Chousen 30 or Chousen 57, (ii) Turkey 116, and (iii) Kanto 79 in an arbitrary order.~~

✓ 11. Wheat which is modified to lack SGP-1, comprising wheat starch which has an apparent amylose content of about 35% or more.

12. The wheat of claim 11, wherein the apparent amylose content is from about 37% to about 40%.

13. The wheat of claim 11, which is a hexaploid wheat which lacks SGP-A1, SGP-B1 and SGP-D1.

14. The wheat of claim 13, wherein the hexaploid wheat is obtained by crossing a first wheat lacking a first protein selected from the group consisting of SGP-A1, SGP-B1 and

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SGP-D1, with a second wheat lacking a second protein which differs from the first protein and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, followed by further crossing the cross of the first wheat and the second wheat with a third wheat lacking a third protein which differs from the first and second proteins and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1.

15. The wheat of claim 13, wherein the hexaploid wheat is obtained by crossing (i) Chousen 30 or Chousen 57, (ii) Turkey 116, and (iii) Kanto 79 in an arbitrary order.

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